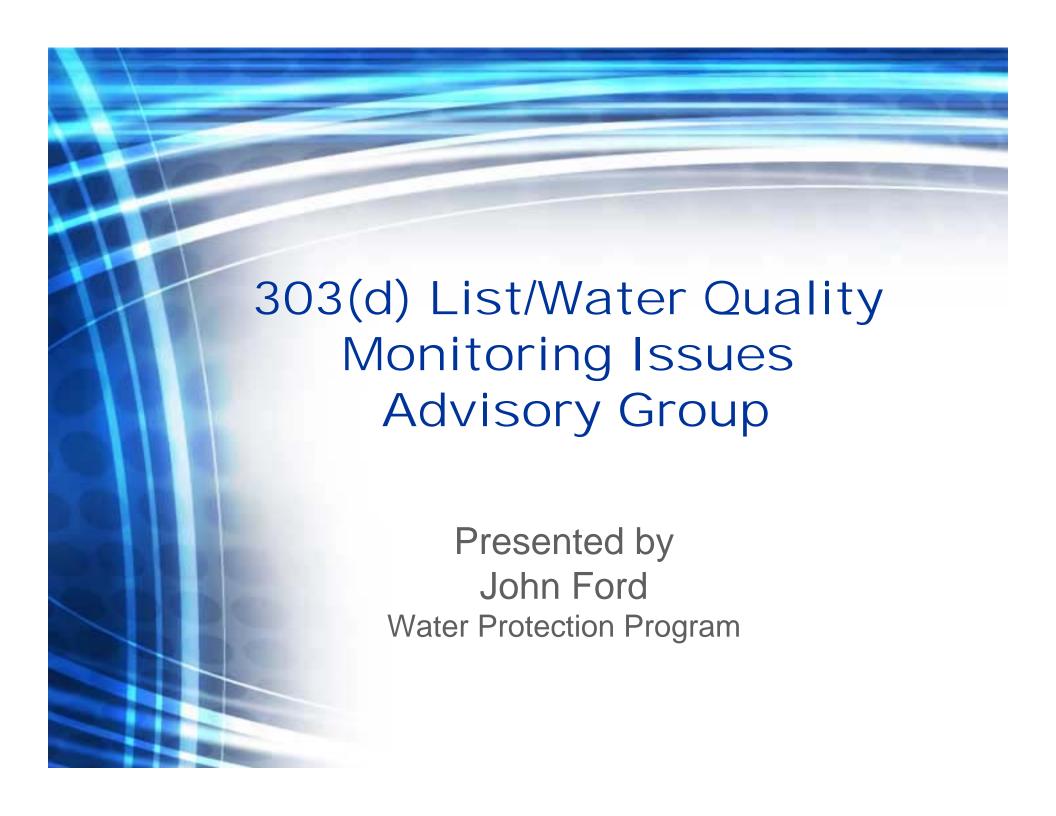


At the December Clean Water Forum, the group decided to form several advisory groups to help us work on selected issues.

- 303(d) List/Water Quality Monitoring Issues
- Antidegradation Implementation Procedures
- Unclassified Streams/Wetland Classification/Tiered Aquatic Life
- Small Flows (<22,500 gal/day) Effluent Limits/Lagoon Policy/Pesticides
- Water Quality Effluent Limits/Effluent Dominated Streams/Waivers to Disinfect
- Continuing Authorities
- Federal Safe Drinking Water Rules/Public Drinking Water Design Guide
- Nutrient Criteria Development for Lakes
- Funding/Staff/Resources
- State Revolving Fund (SRF) Priority Points/Process
- Missouri Nonpoint Source Management Plan Revisions





- CWC requested revision of LMD in March 2006
- Workgroup met 3 times March-April 2006
- 60-day Public Notice of proposed LMD
 - March 6- May 5, 2006
- CWC hearing on draft LMD June 7,2006
 - Proposed draft has many details
 - Several are still contentious.
- House Bill 1149 passed
 - removes rulemaking requirement for 303(d) list.









MCE Settlement Agreement

- Paragraph 6. The Parties understand that the State of Missouri intends to adopt new or revised water quality standards to identify antidegradation implementation procedures, which relate to Claim 13 of Plaintiff's Complaint.
- Paragraph 7. (Paraphrased) EPA agrees to determine whether new or revised water quality standards are necessary to meet the requirements of the CWA.
- Paragraph 8. In the event that by April 30, 2007, the State of Missouri submits new or revised water quality standards identifying the antidegradation implementation procedures identified above in Paragraph 6, then Paragraph 7 should not apply.

Regulatory Background

40 CFR 131.12 Antidegradation Policy

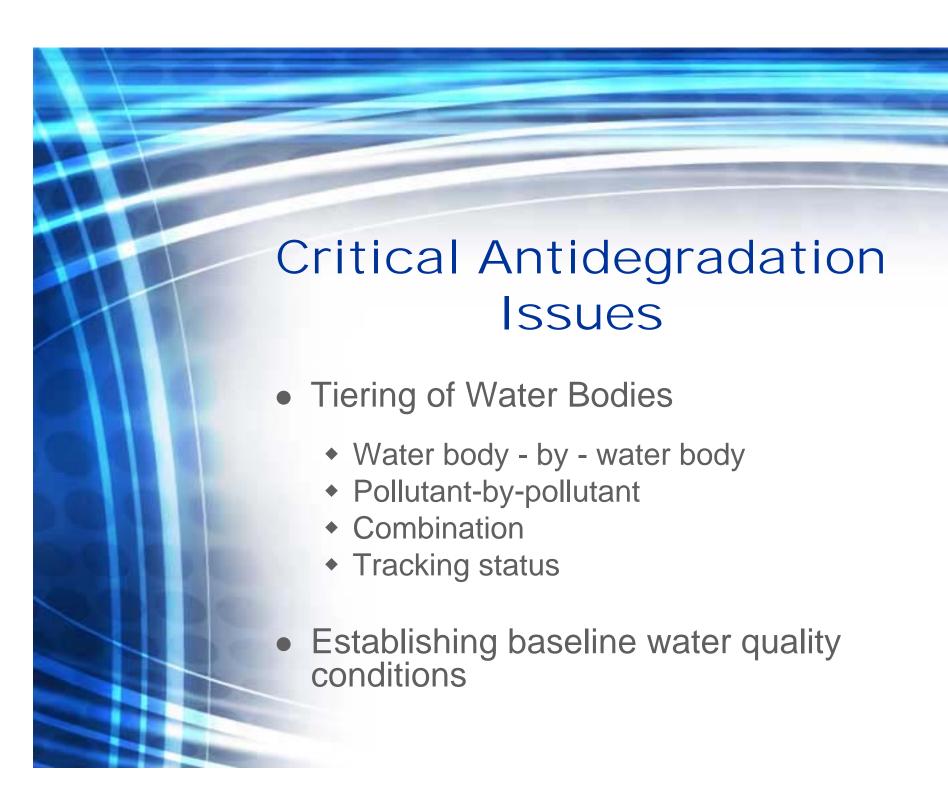
Adoption of Policy and Implementation Procedures

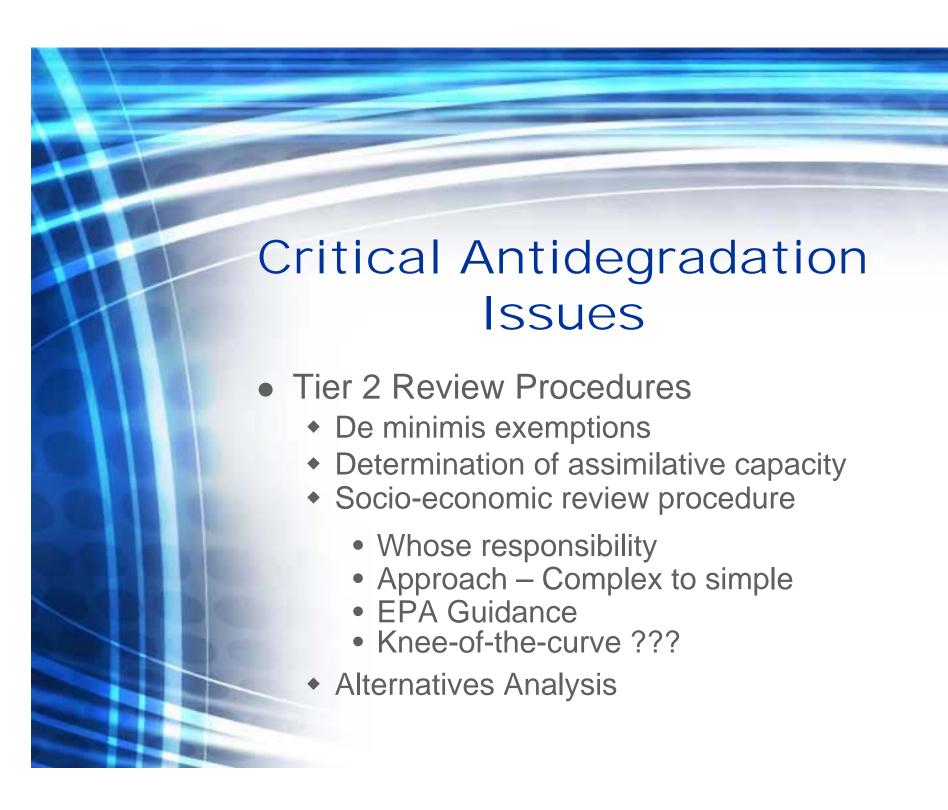
- ◆ Tier 1 Existing Uses and WQ shall be maintained and protected.
- Tier 2 High Quality Waters reduction in WQ may be lowered if justified according to specific provisions....
 - Intergovernmental Coordination & Public Participation
 - Economic and Social Analyses
 - Cost Effective & Best Management Practices for NPS
- Tier 3 Outstanding Waters No reduction of WQ allowed

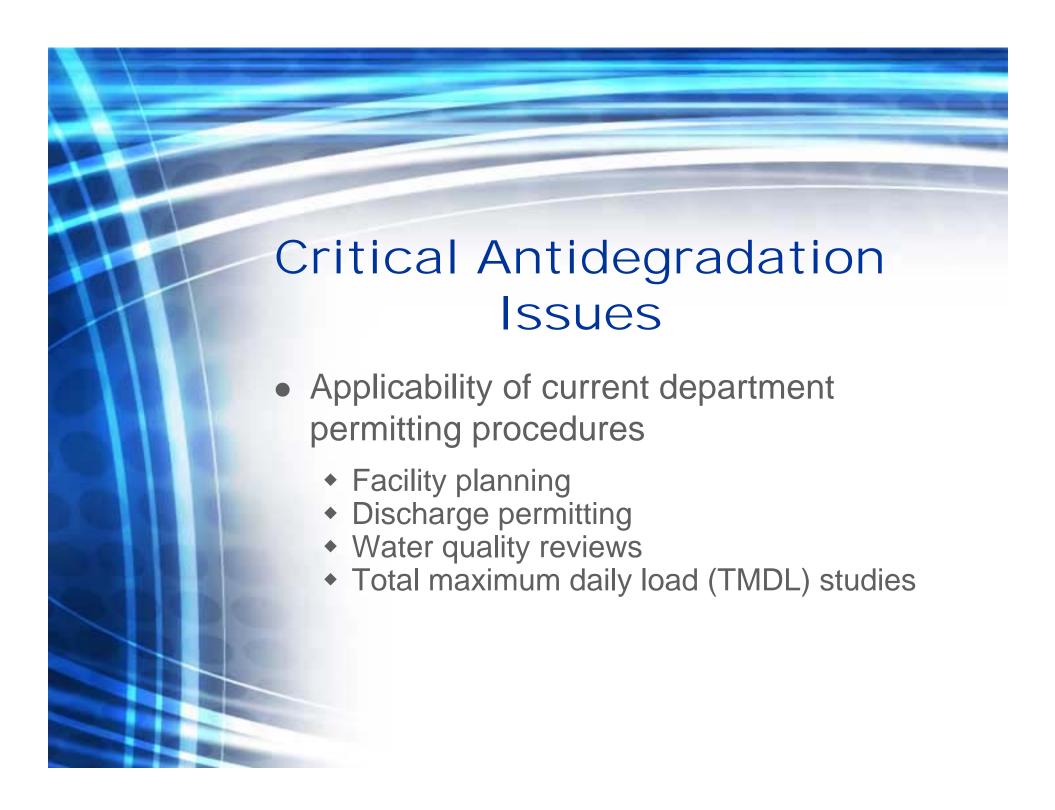
Antidegradation Tiers

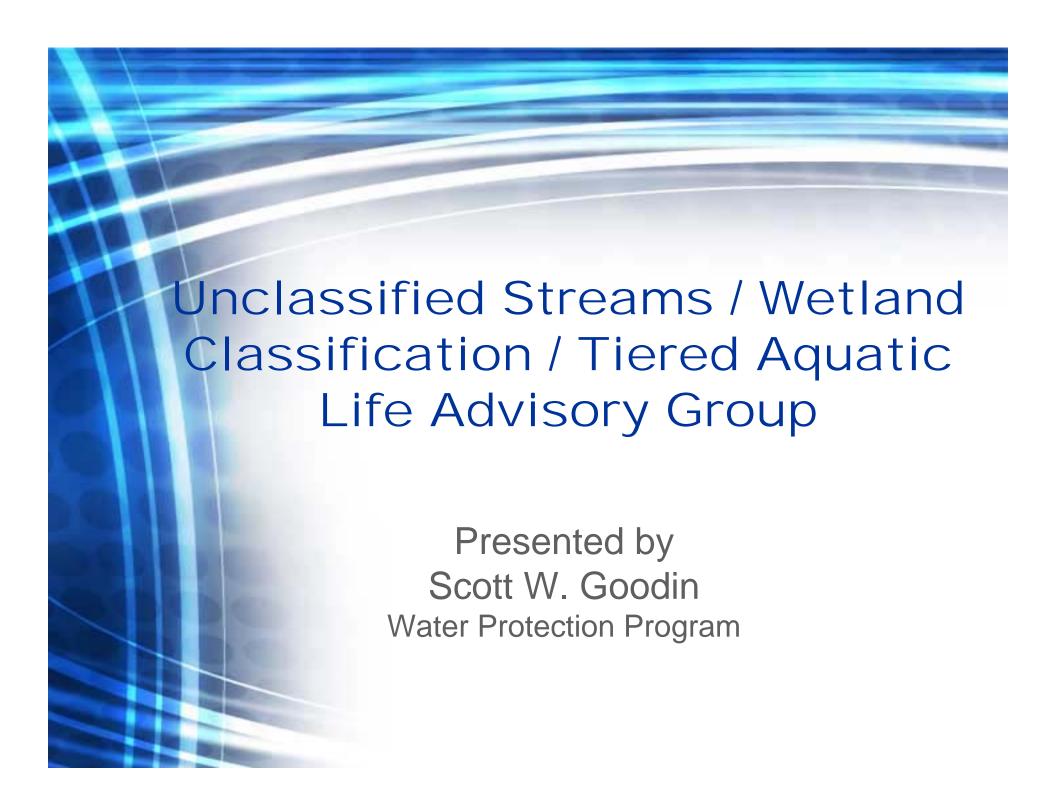
(High)	Outstanding Water Quality Tier 3 (Cannot Be Lowered)
Water Quality	Existing Water Quality Better than Level Tier 2 Required to Support Designated Uses (Must Justify to Lower WQ)
	Existing Water Quality for Designated Uses are being met (Cannot be Lowered)

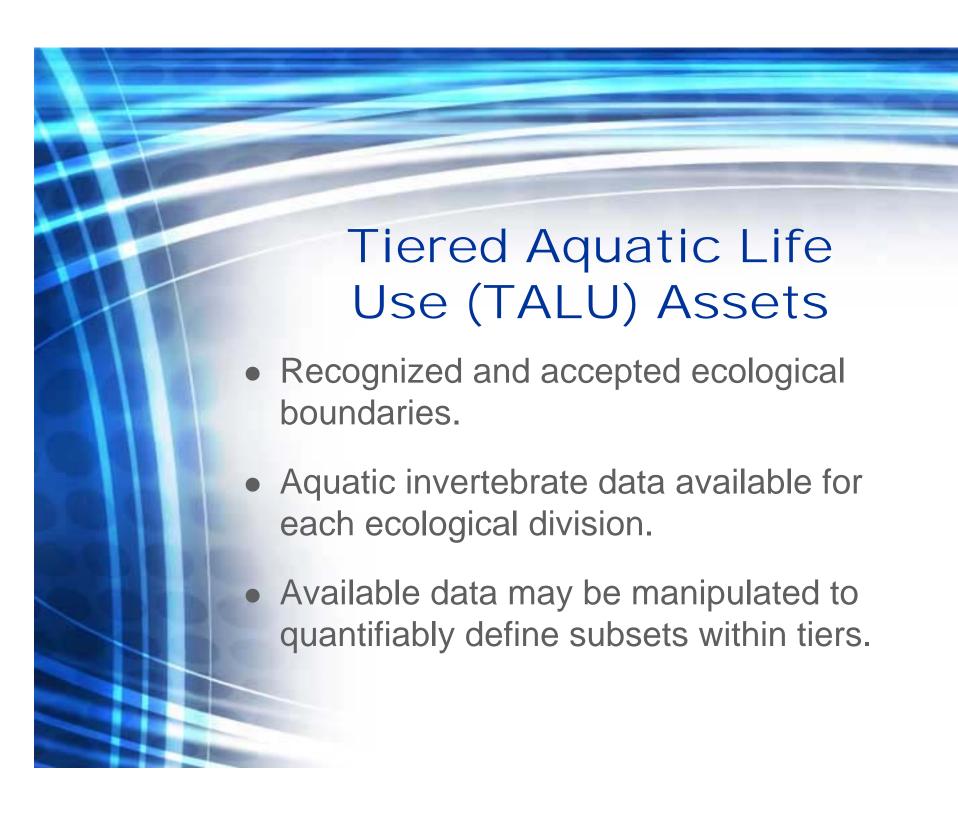
(Low)

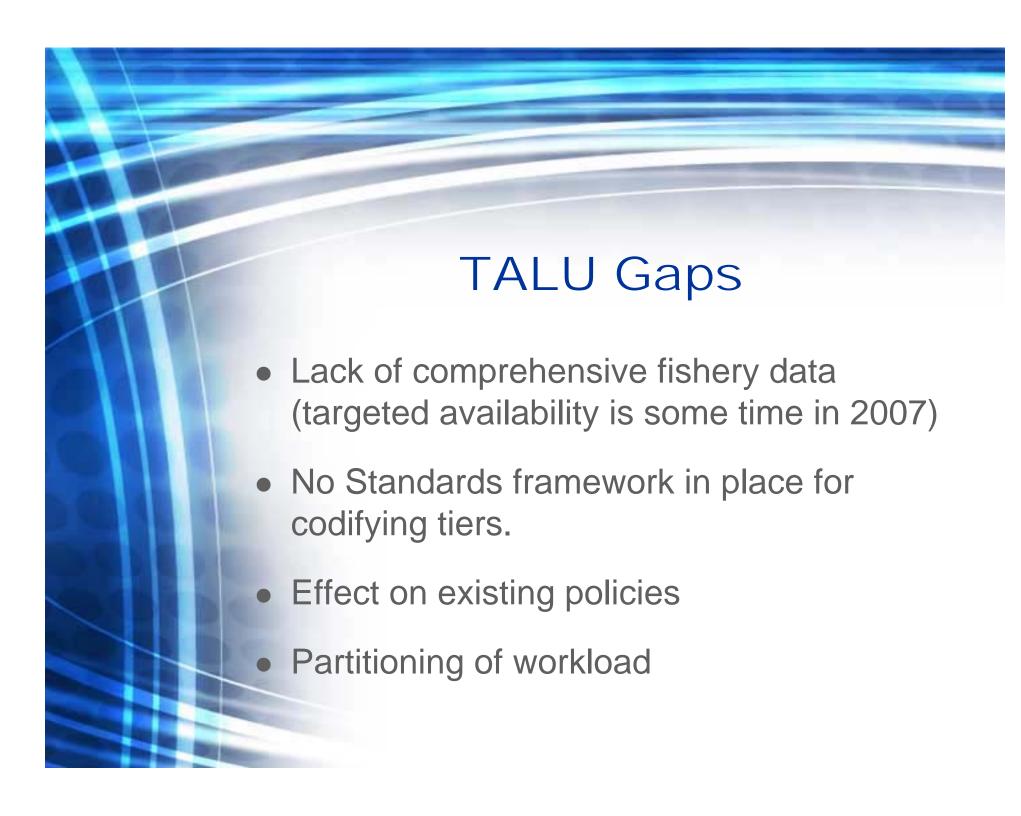


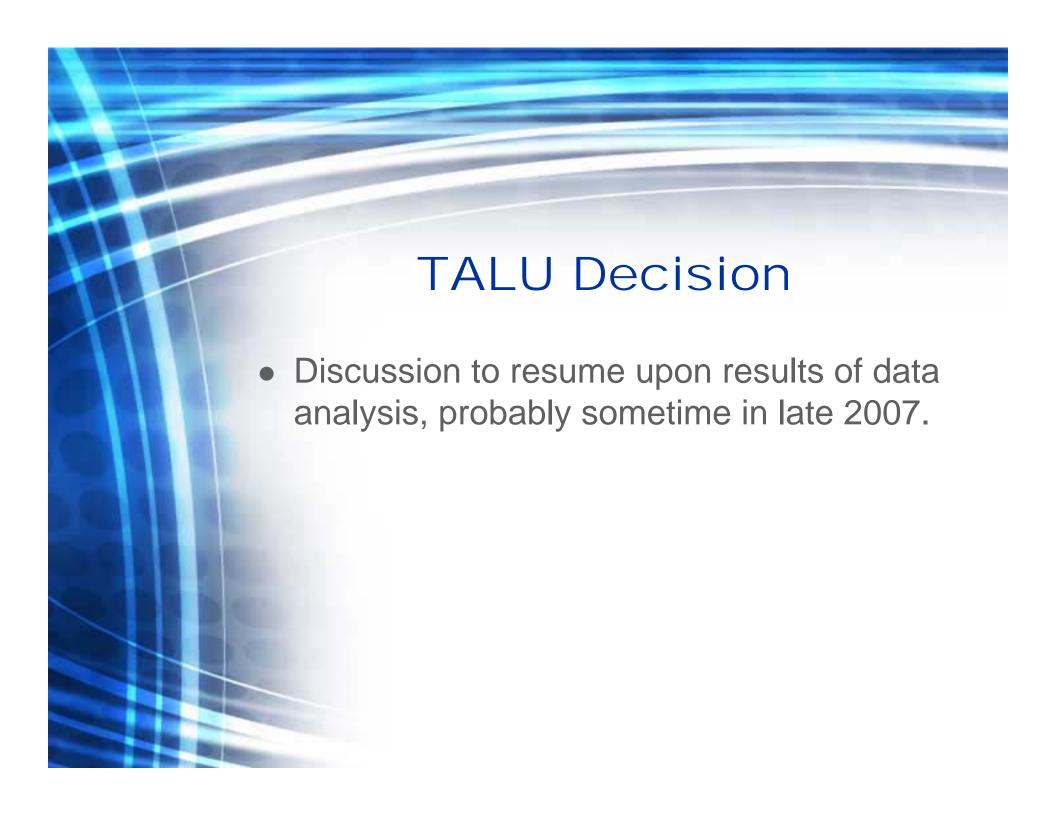












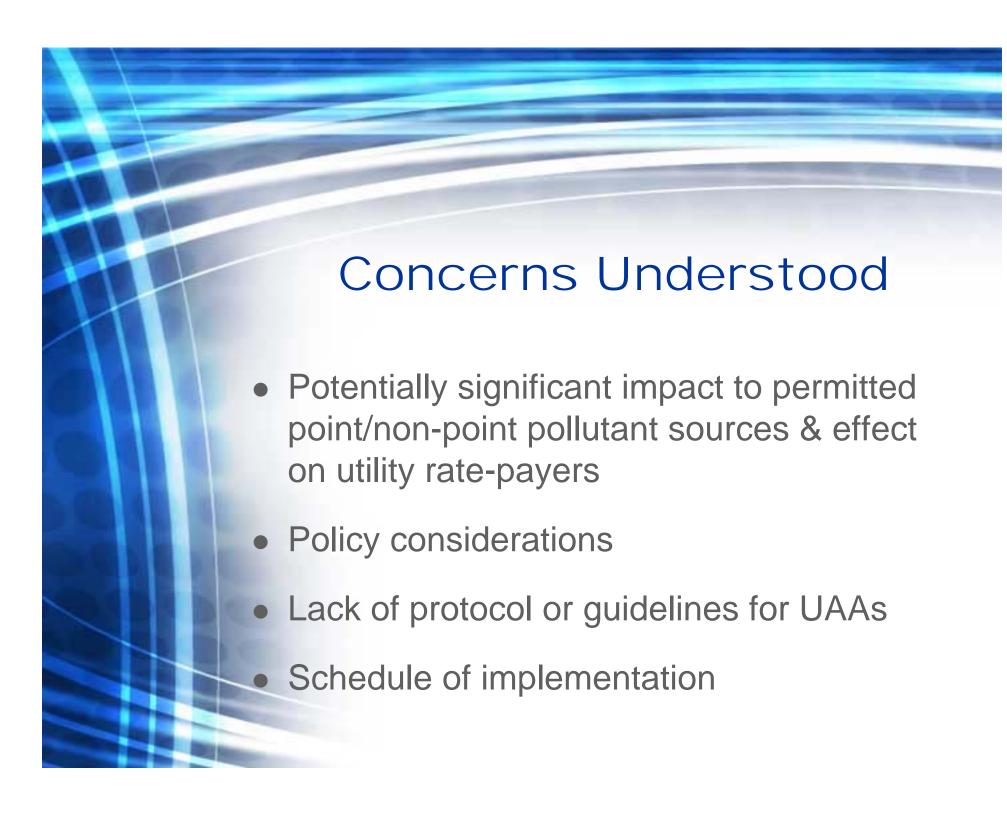


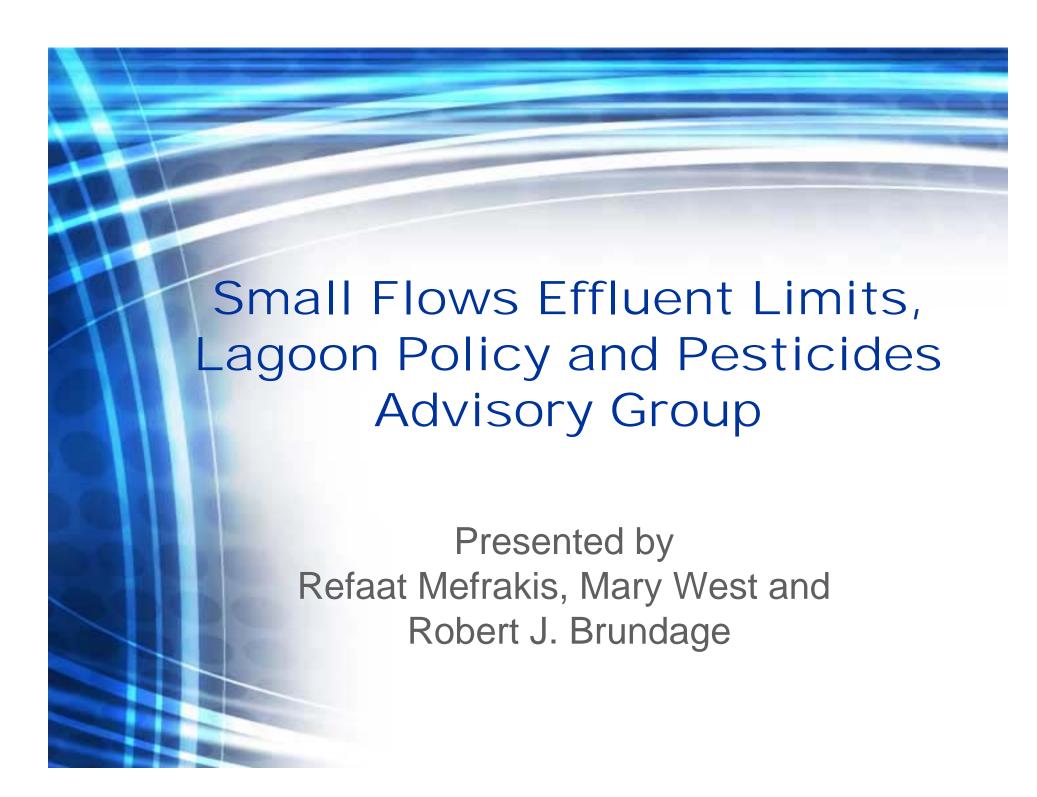
Unclassified Waters

Excerpt IV-J from EPA letter dated Sept. 8, 2000 regarding the protection of unclassified waters:

"Nationally, EPA will be examining the issue of whether or not the states have an appropriate default use in their general criteria for unclassified/unlisted waters, and if so, that default use is protective of the existing use or is consistent with the "fishable/swimmable" goal of the CWA...In conclusion, any water is presumed to have a default use designation of "fishable/swimmable" under the rebuttable assumption, and it is the Agency's view that States must protect unclassified or unlisted waters as well as classified waters for that default use. We note that although unlisted (I.e., unclassified) waters are protected by the general criteria in the Water Quality Standard, there is no clear default use-designation language in Missouri's WQS's for "unclassified waters". This is an issue which EPA will want to discuss during the triennial review."



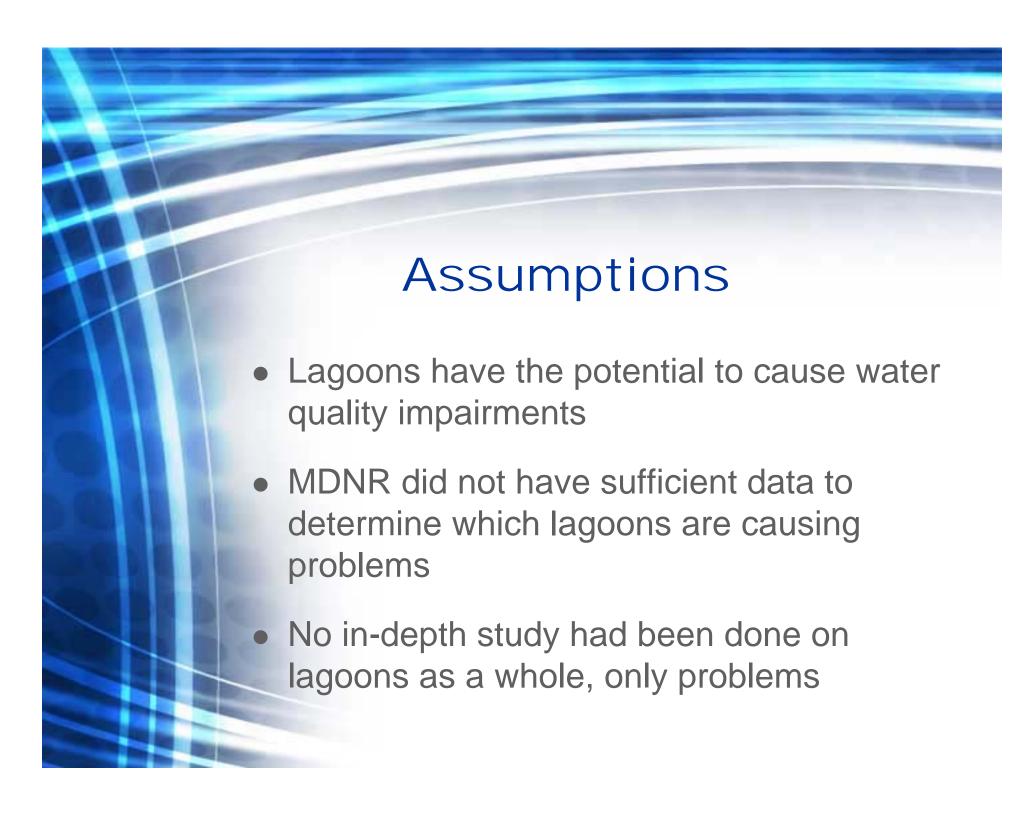




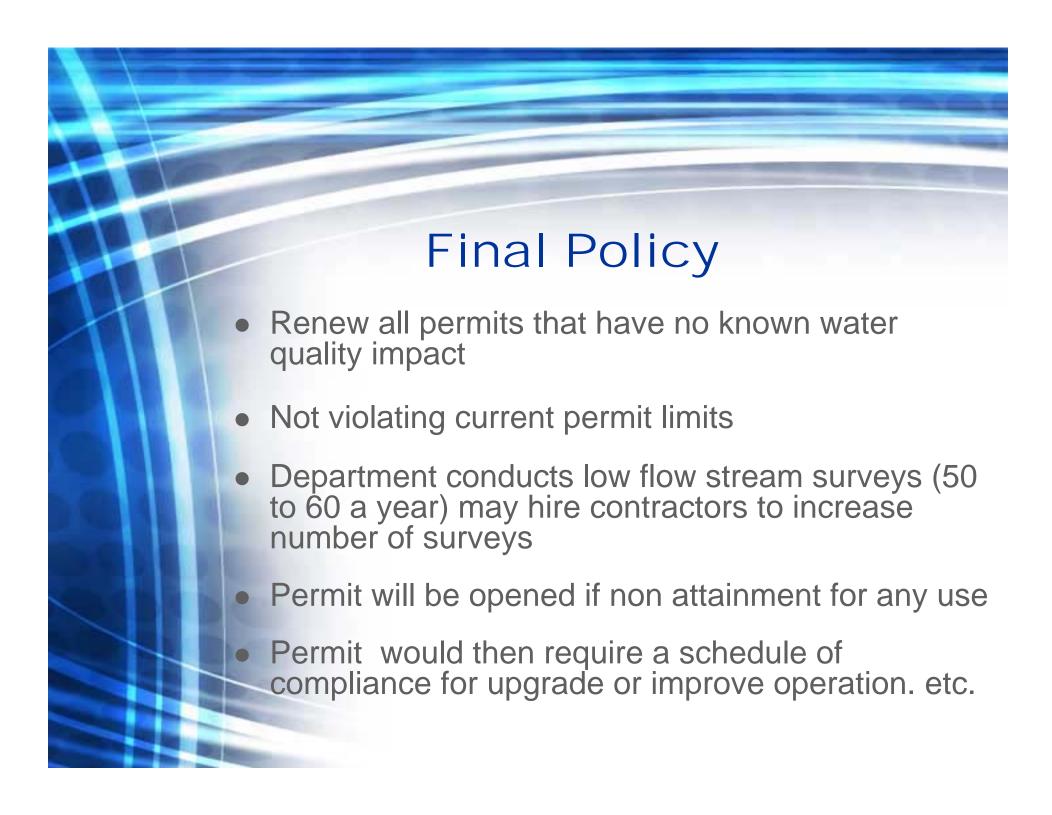


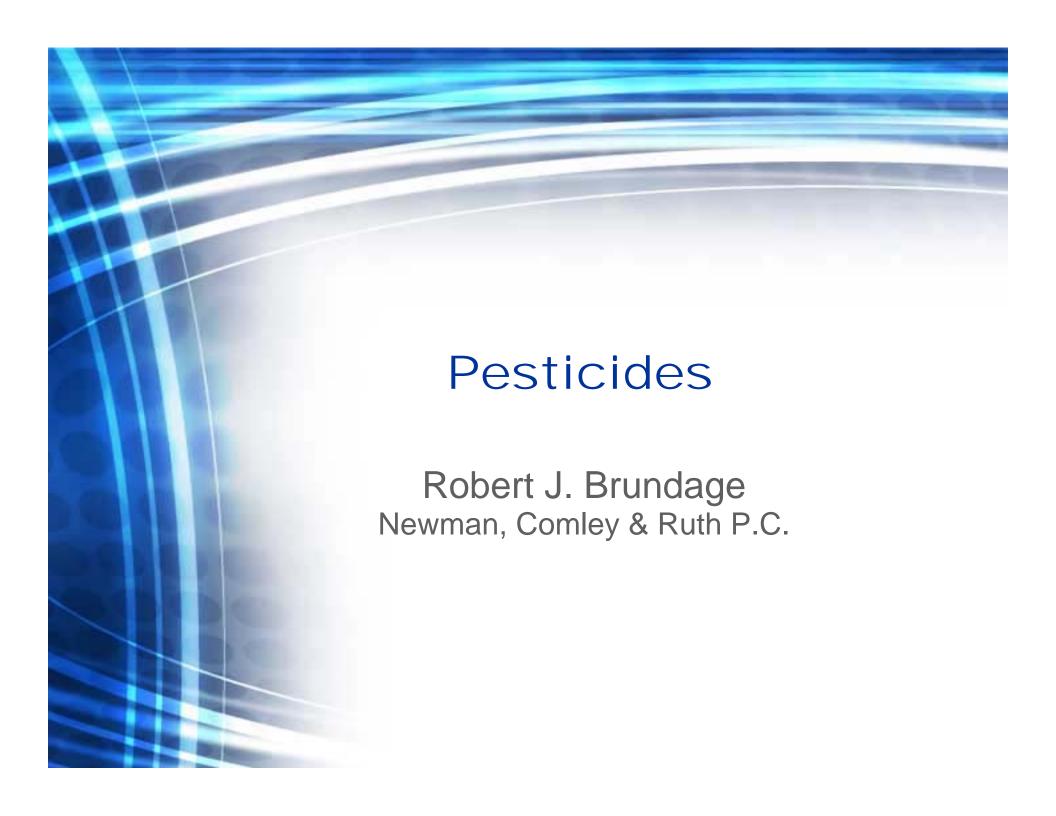




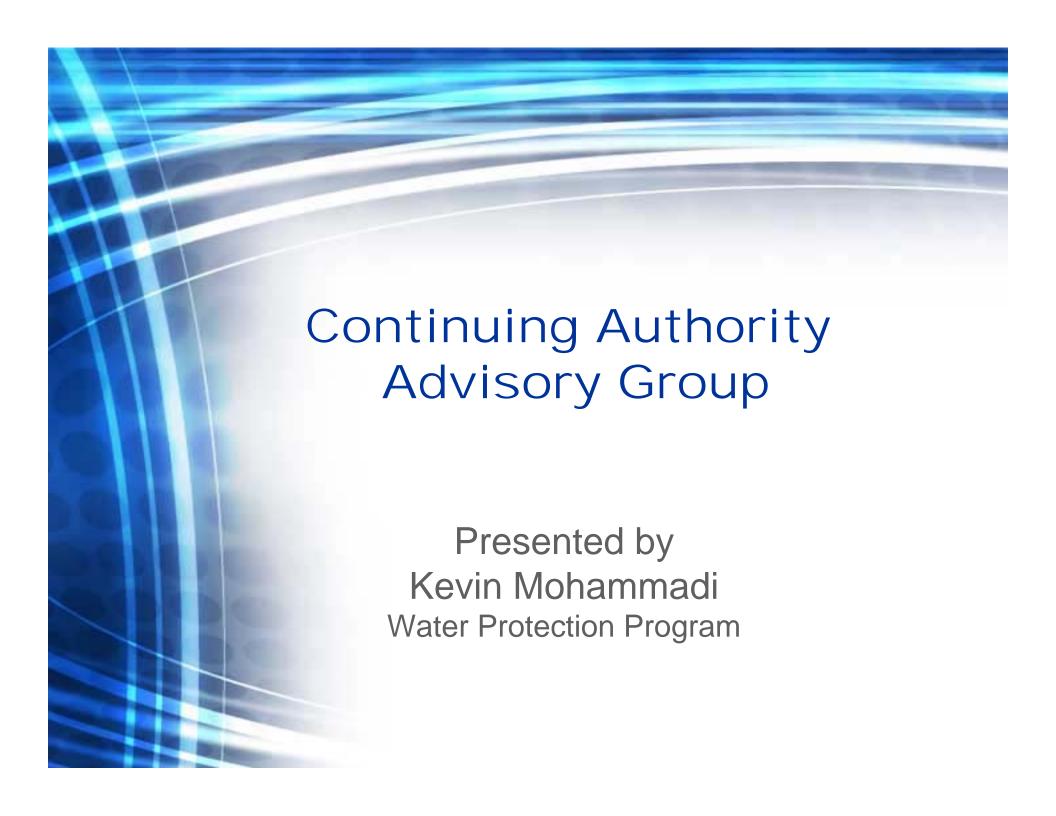


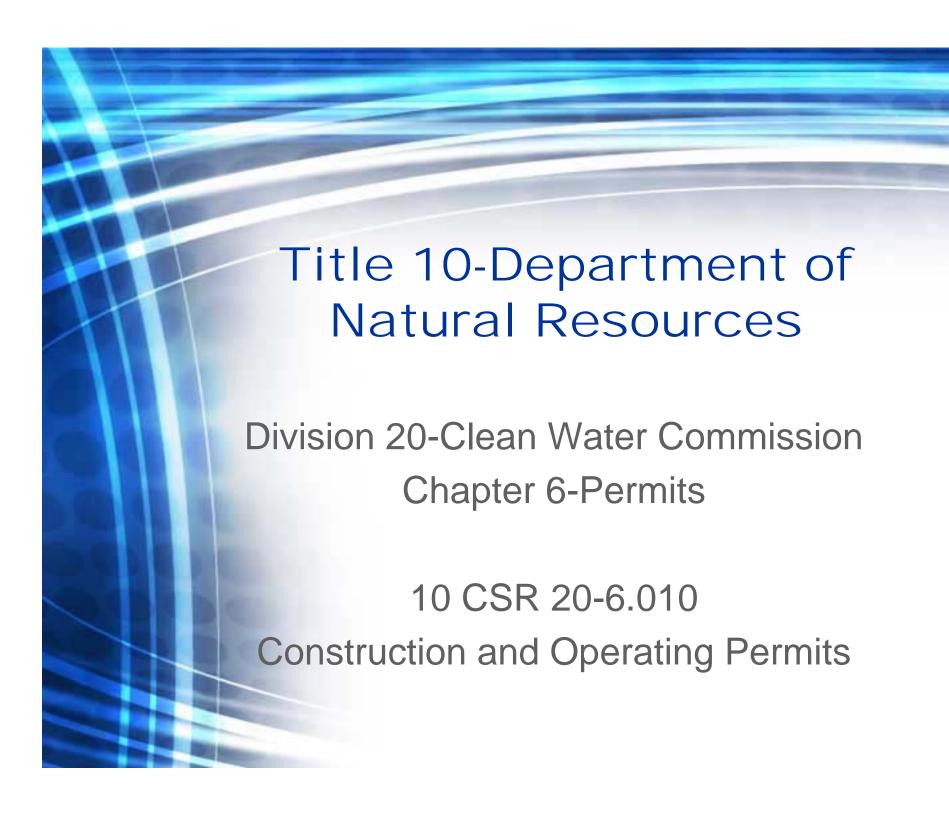












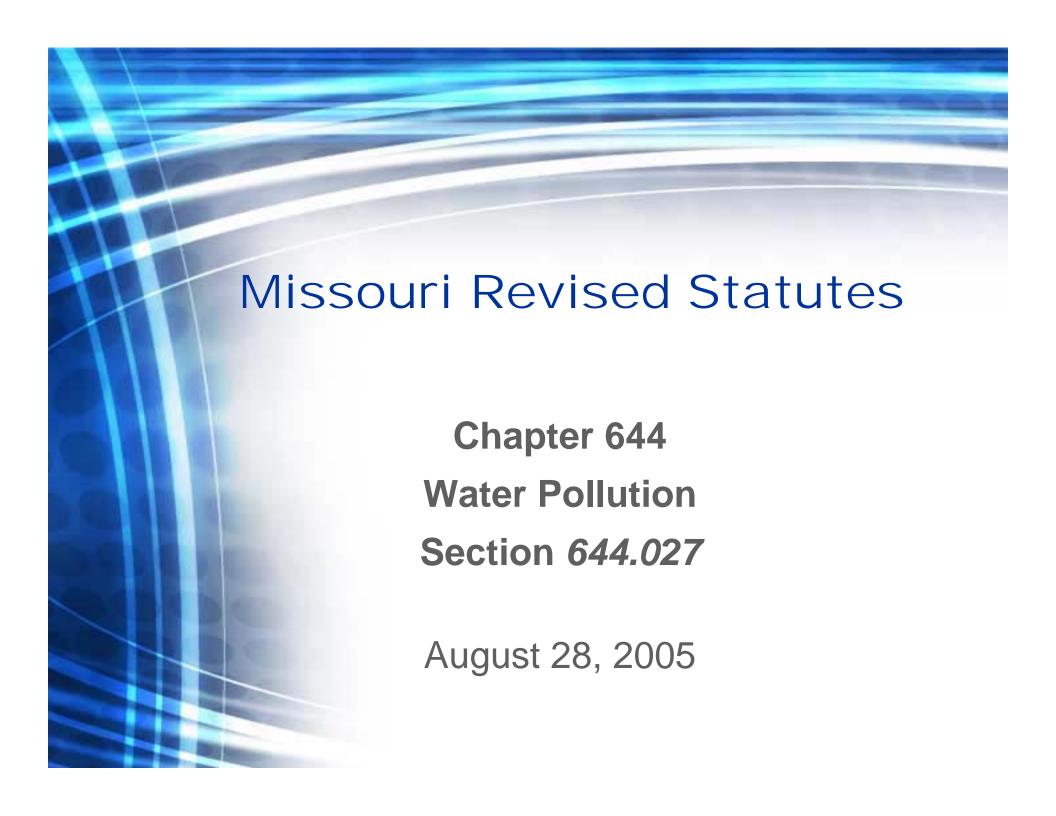
3) Continuing Authorities.

(A) All applicants for construction permits or operating permits shall show, as part of their application, that a permanent organization exists which will serve as the continuing authority for the operation, maintenance and modernization of the facility for which the application is made. Construction and first time operating permits shall not be issued unless the applicant provides such proof to the department and the continuing authority has submitted a statement indicating acceptance of the facility.

(B) Continuing authorities which can be issued permits to collect and/or treat wastewater under this regulation are listed in preferential order in the following paragraphs. An applicant may utilize a lower preference continuing authority by submitting, as part of the application, a statement waiving preferential status from each existing higher preference authority, providing the waiver does not conflict with any area-wide management plan approved under section 208 of the Federal Clean Water Act or any other regional sewage service and treatment plan approved for the higher preference authority by the department:

- 1. A municipality or public sewer district which has been designated as the area wide management authority under Section 208(c)(1) of the Federal Clean Water Act;
- 2. A municipality, public sewer district or sewer company regulated by the Public Service Commission (PSC) which currently provides sewage collection and/or treatment services on a regional or watershed basis as outlined in 10 CSR 20-6.010(3)(C) and approved by the Clean Water Commission. Permits shall not be issued to a continuing authority regulated by the PSC until the authority has obtained a certificate of convenience and necessity from the PSC;

- 3. A municipality, public sewer district or sewer company regulated by the PSC other than one which qualifies under paragraph (3)(B)1. or 2. of this rule or a public water supply district. Permits shall not be issued to a continuing authority regulated by the PSC until the authority has obtained a certificate of convenience and necessity from the PSC;
- 4. Any person with complete control of, and responsibility for, the water contaminant source, point source or wastewater treatment facility and all property served by it. The person may constitute a continuing authority only by showing that the authorities listed under paragraphs (3)(B)1.–3. of this rule are not available, do not have jurisdiction, are forbidden by statute or ordinance from providing service to the person or, if available, have submitted written waivers as provided for in subsection (3)(B) of this rule;



Sewer districts and systems made available to political subdivisions, no restriction allowed on connecting to system.

644.027. Nothing in sections 644.006 through 644.150, RSMo, shall be deemed to restrict, inhibit or otherwise deny the power of any city, town or village, whether organized under the general law or by constitutional or special charter, any sewer district organized under chapter 204, RSMo, or chapter 249, RSMo, any public water supply district organized under chapter 247, RSMo, or any other municipality, political subdivision or district of the state which owns or operates a sewer system that provides for the collection and treatment of sewage, to require the owners of all houses, buildings or other facilities within a municipality, political subdivision or district to connect to the sewer system of the municipality, political subdivision or district when such sewer system is available.

(L. 2001 S.B. 256)



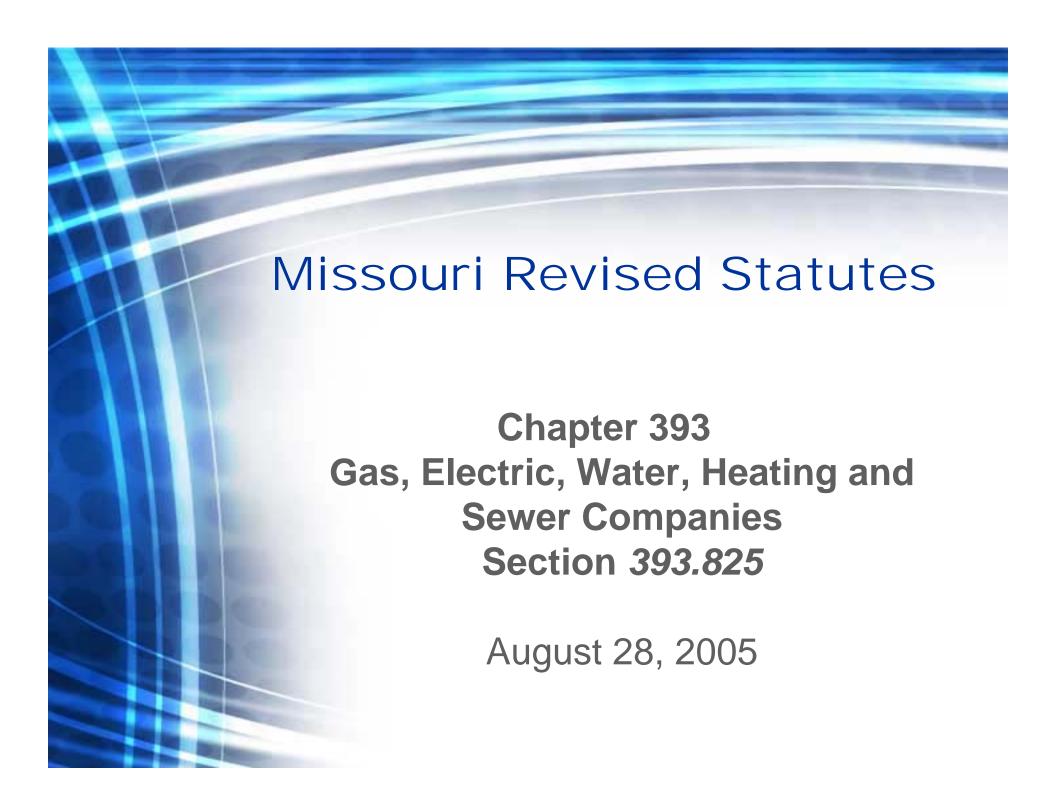
- Arnold
- Cedar Hill
- Desoto
- Duckett Creed SD
- Festus/Crystal City
- Glaize Creek SD
- Herculaneum
- Lake St. Louis
- Lower Big River SD

- NESD
- O'Fallon
- Olympian Village
- Pevely
- Rock Creek SD
- Selma
- St. Charles
- St. Peters
- Wentzville









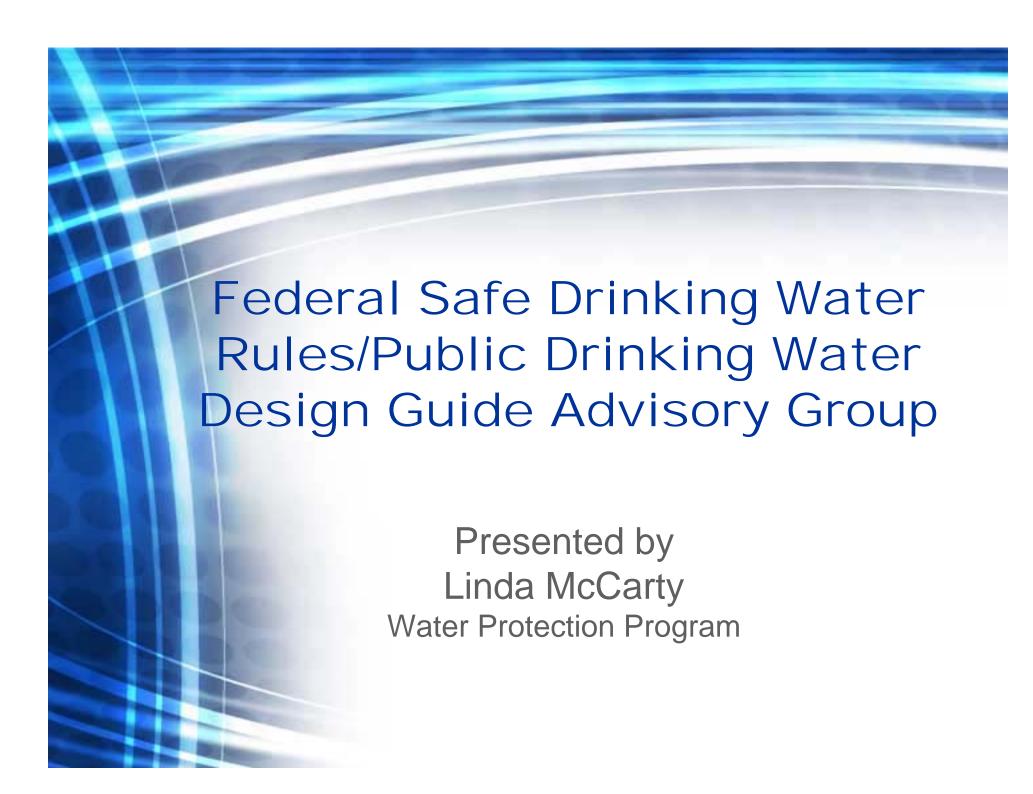
Nonprofit sewer companies, who may organize--articles of incorporation, contents, submission to secretary of state.

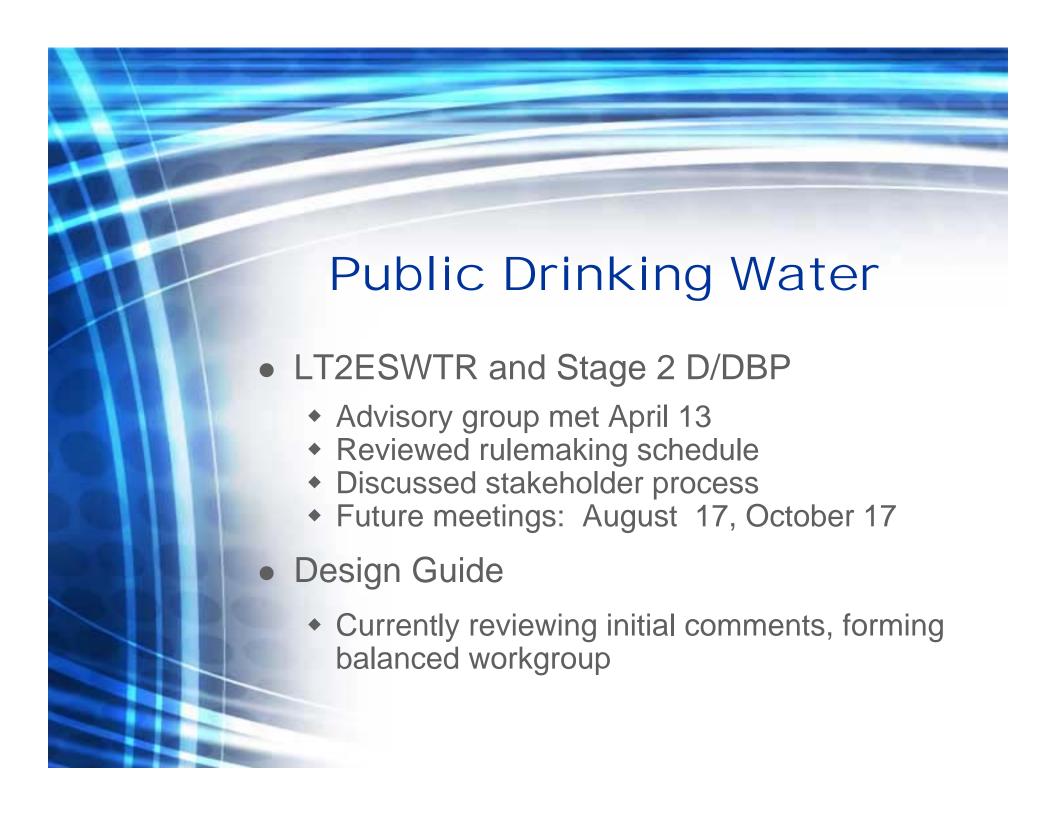
- 393.825. 1. Nonprofit, membership corporations may be organized under sections 393.825 to 393.861 and section 393.175 only for the purpose of supplying wastewater disposal and treatment services within the state of Missouri. Corporations which become subject to sections 393.825 to 393.861 and section 393.175 in the manner herein provided are herein referred to as "nonprofit sewer companies". Five or more persons may organize a nonprofit sewer company pursuant to sections 393.825 to 393.861 and section 393.175.
- 2. The articles of incorporation of a nonprofit sewer company shall recite in the caption that they are executed pursuant to sections 393.825 to 393.861 and section 393.175, shall be signed and acknowledged in duplicate by at least five of the incorporators and shall state:

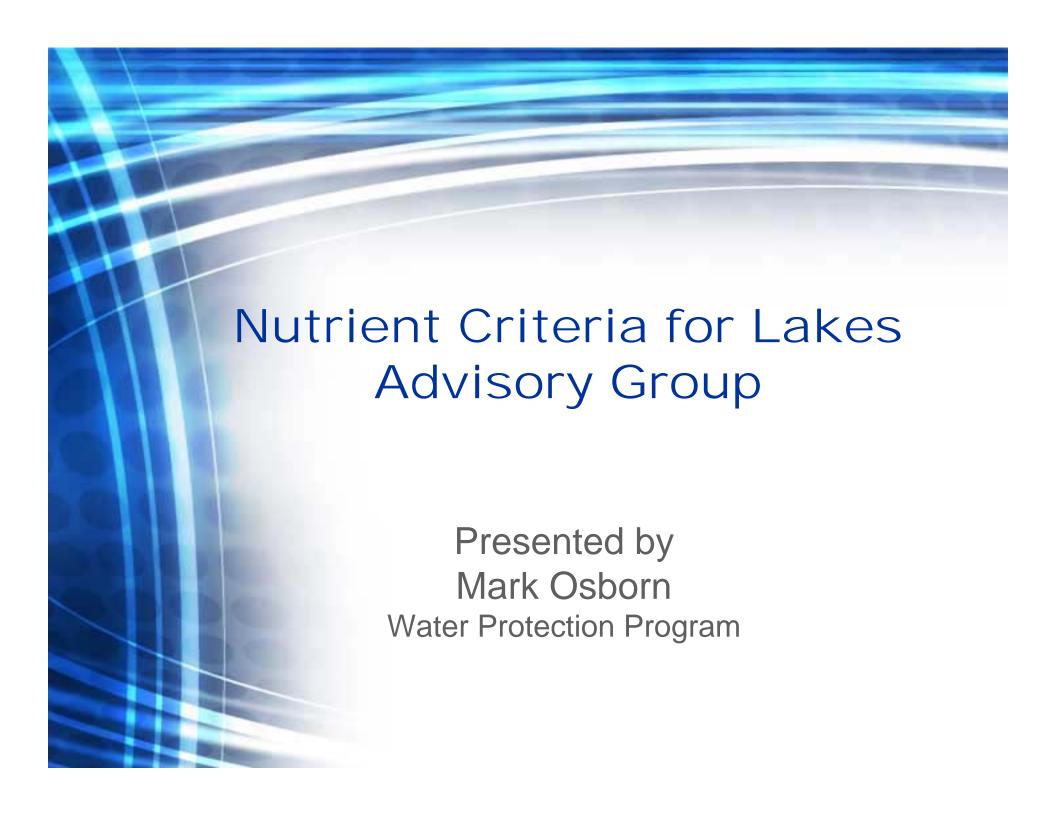
- (1) The name of the company;
- (2) The address of its principal office;
- (3) The names and addresses of the incorporators;
- (4) The number of years the company is to continue, which may be any number including perpetuity;
- (5) The names and addresses of the persons who shall constitute its first board of directors;
- (6) Whether the company chooses to operate under the provisions of chapter 347, RSMo, or chapter 355, RSMo; and
- (7) Any provisions not inconsistent with sections 393.825 to 393.861 and section 393.175 deemed necessary or advisable for the conduct of its business and affairs. Such articles of incorporation shall be submitted to the secretary of state for filing.

(L. 1997 2d Ex. Sess. H.B. 1 merged with S.B. 3)

Effective 12-23-97





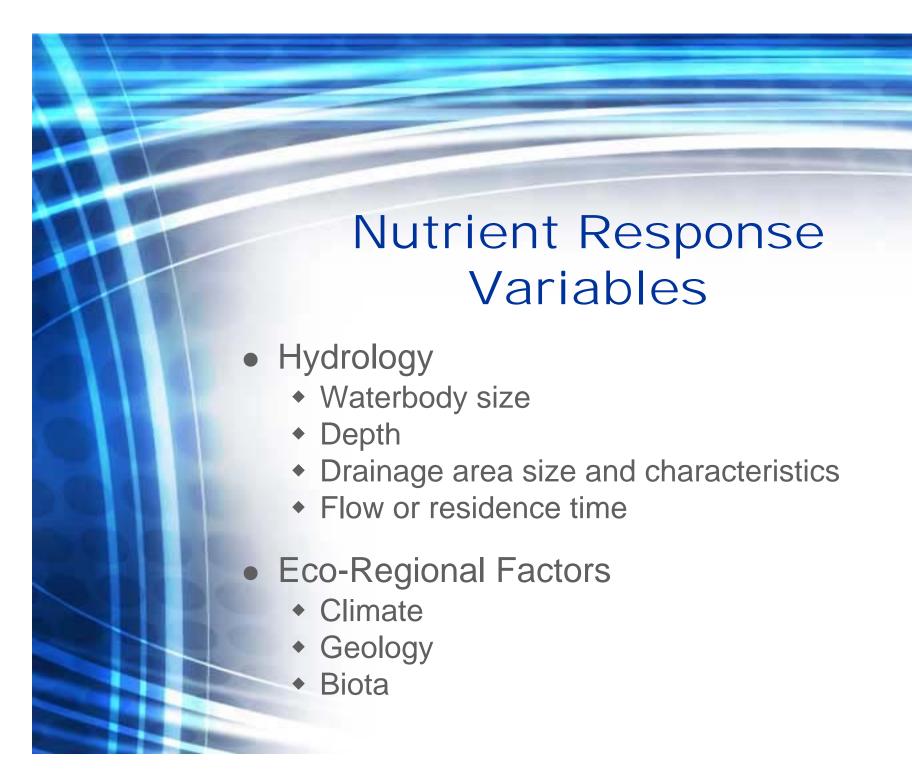


Nutrient Criteria Stakeholders

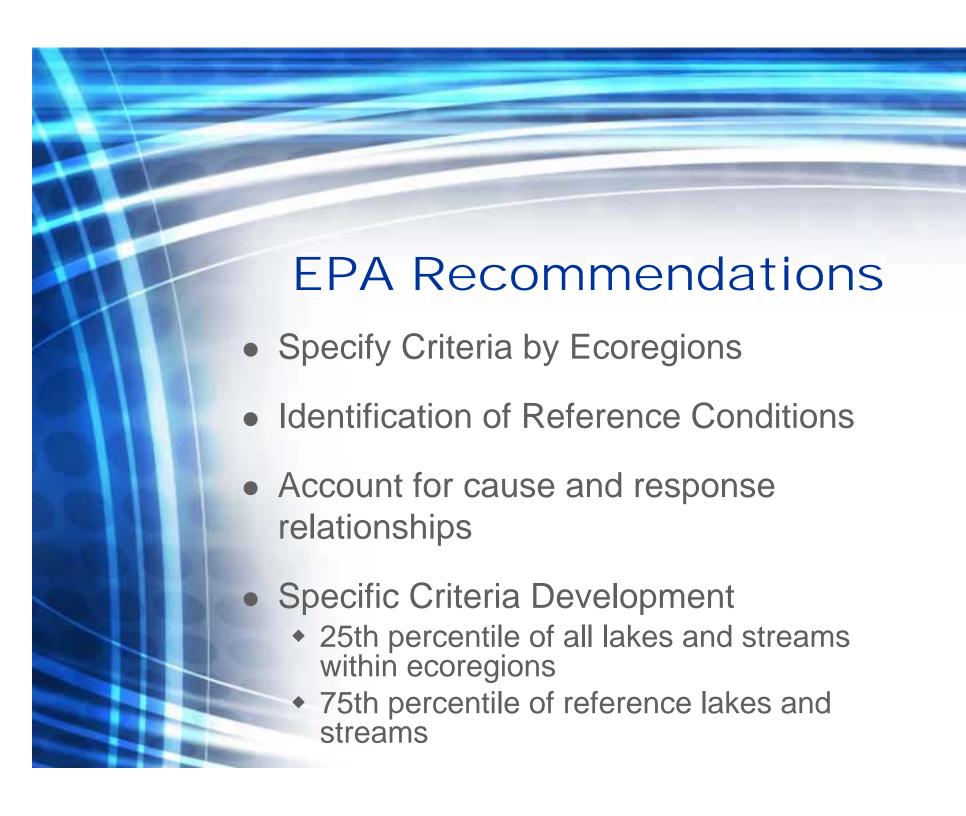
- Carolla Engineers
- Environmental Resources Coalition
- EPA
- FAPRI
- Independence, City of
- James River Basin Partnership
- JD Information Services
- KCMO Water Services
- Lakes of Missouri Volunteer Program
- Little Blue Valley Sewer District
- Marshall Municipal Utilities
- Missouri Department of Conservation
- Missouri Department of Natural Resources

- MEC Water Resources
- Missouri Coalition for the Environment
- Missouri Public Utility Alliance
- MO Dept of Agriculture
- MO Farm Bureau
- Newman, Comley & Ruth P.C.
- Sierra Club
- Springfield, City of
- St Louis MSD
- Table Rock Lake Water Quality, Inc.
- University of Missouri
- Upper White River Basin Foundation
- Washington University, St Louis

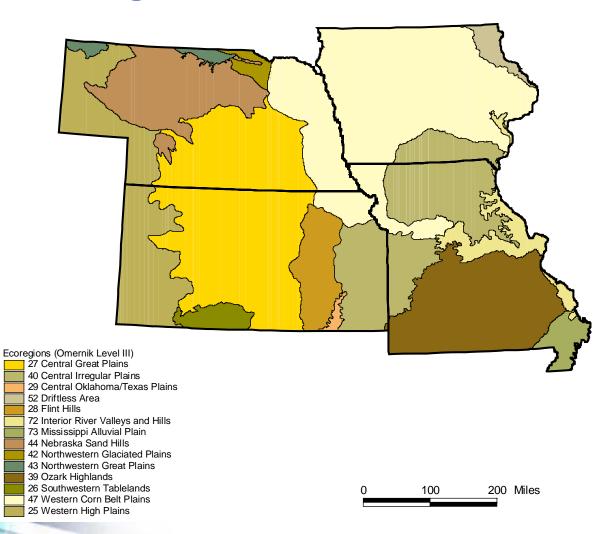






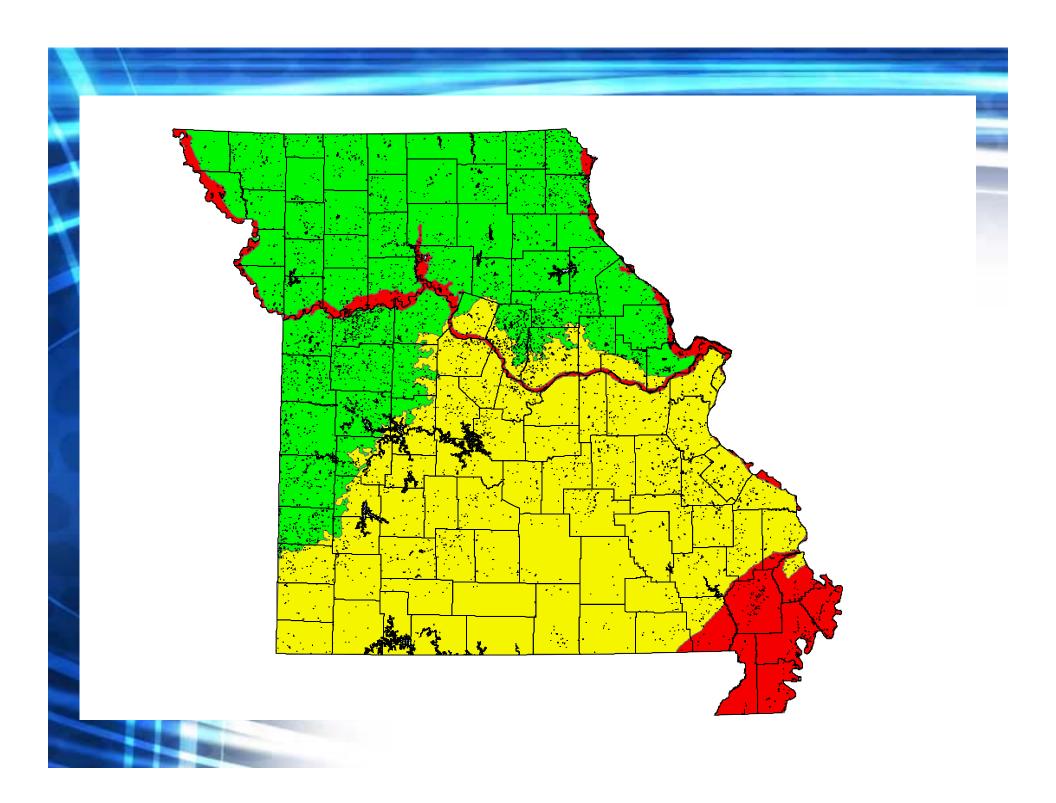


Omernic Level III Ecoregions in EPA Region VII

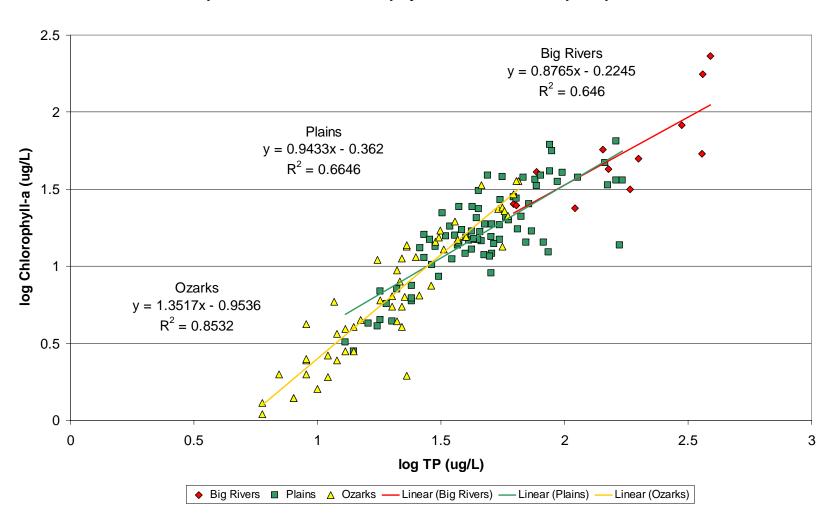






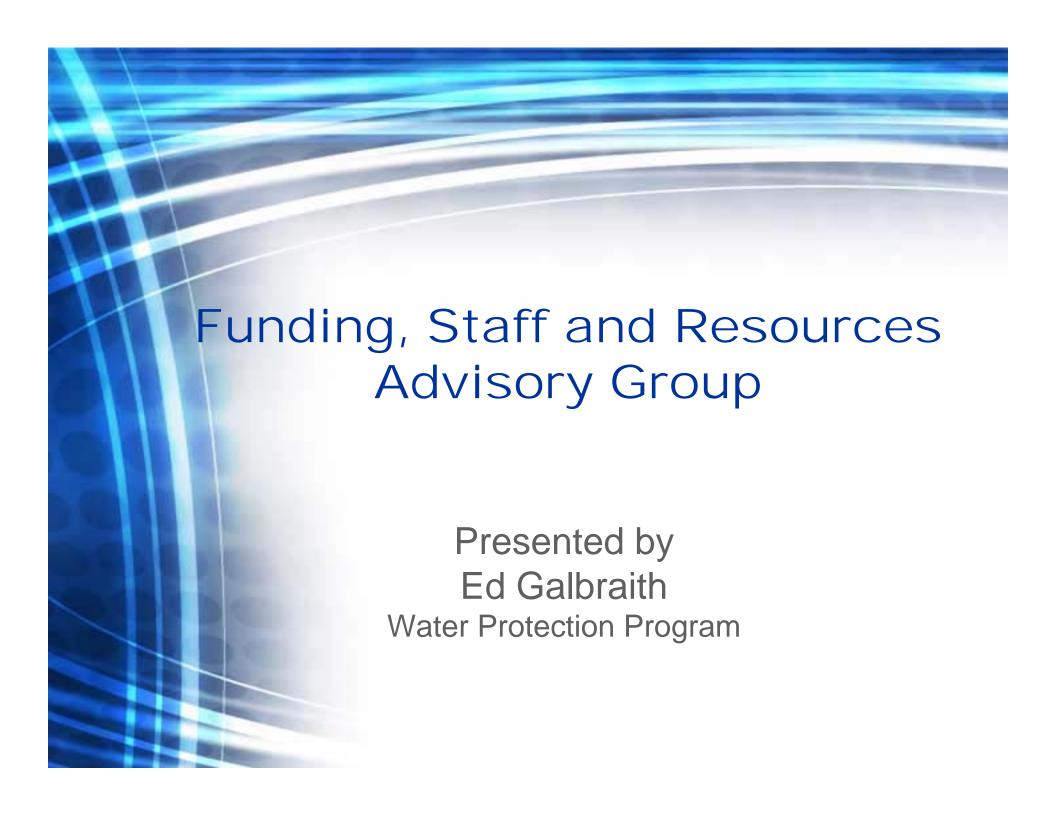


Response of median chlorophyll-a to median total phosphorus

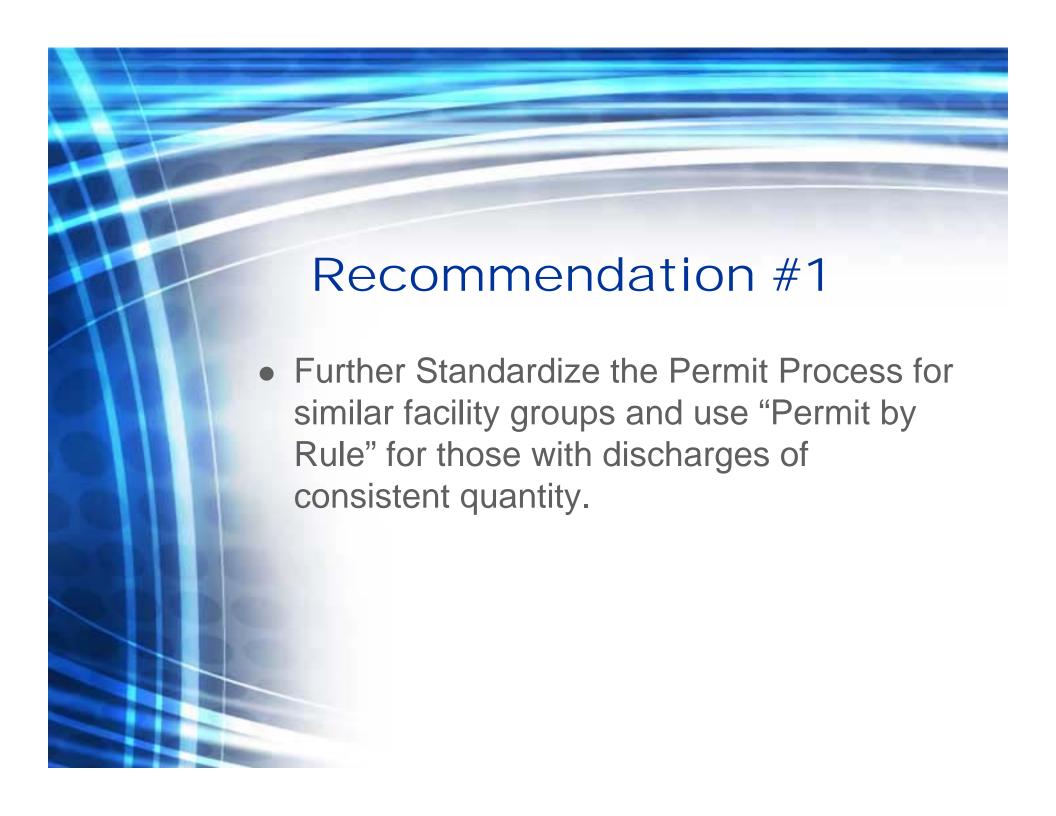


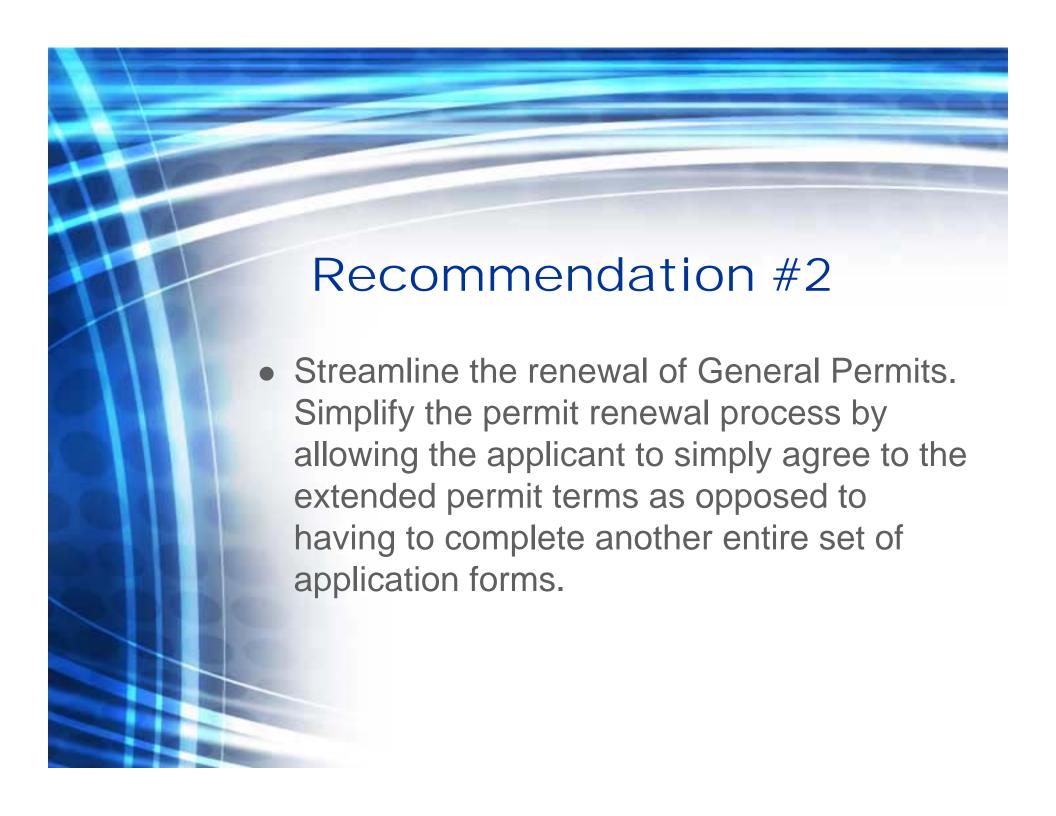


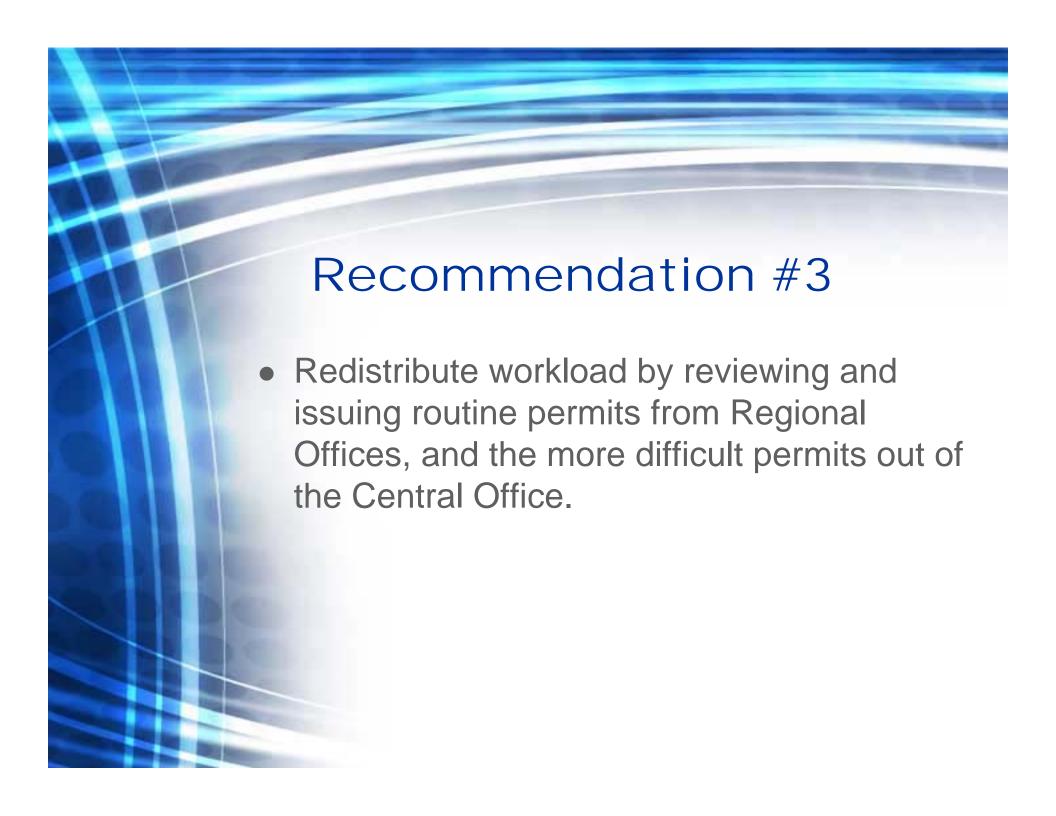
- Advisory and Action levels for Total Phosphorus
- Large lakes assessed individually
- Distinct criteria for lake segments (Table Rock)
- Plains Lake Flushing Index
- Ozarks Carlson's Trophic State Index
- Big Rivers
- Drinking Water Reservoirs protection from cyanobacteria and chlorination byproducts

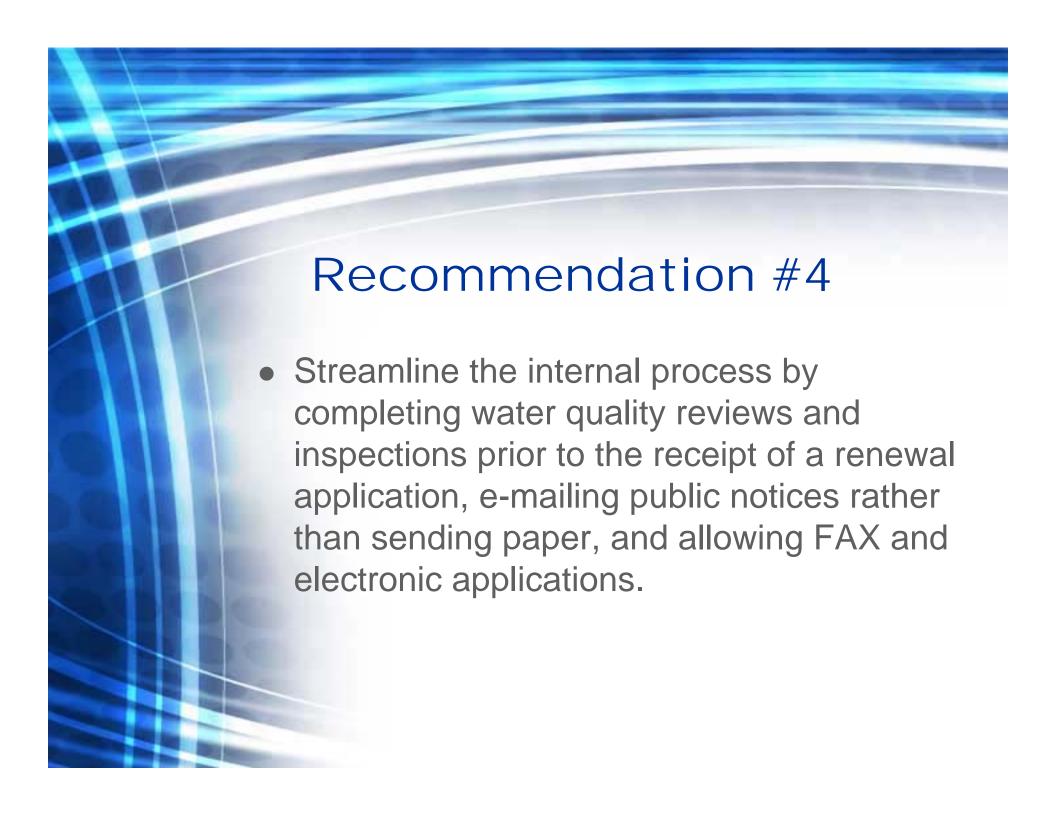






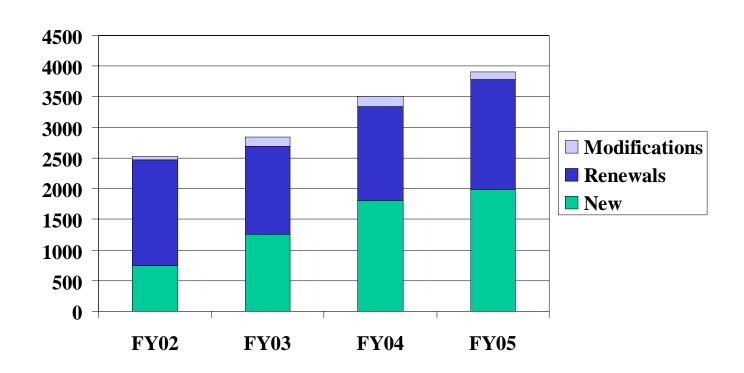




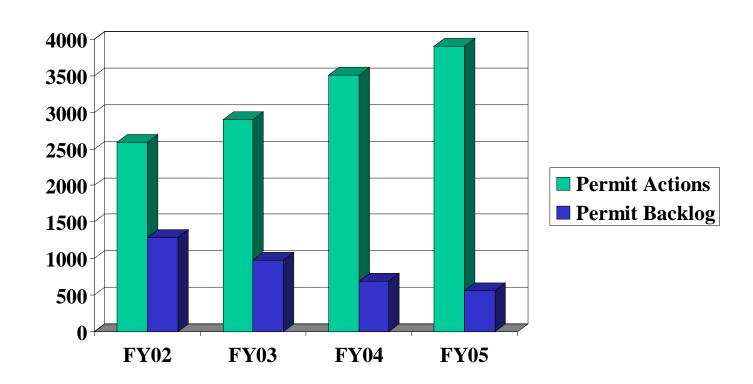




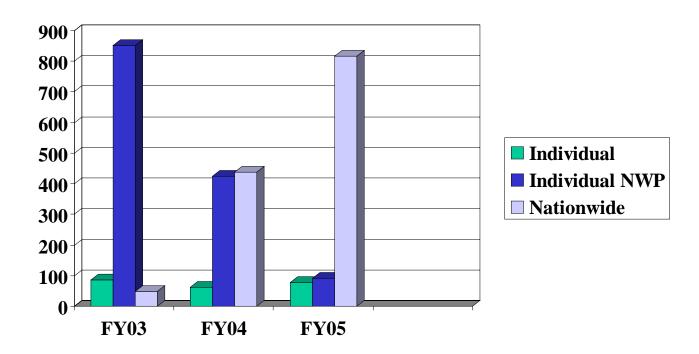
Operating Permit Workload:



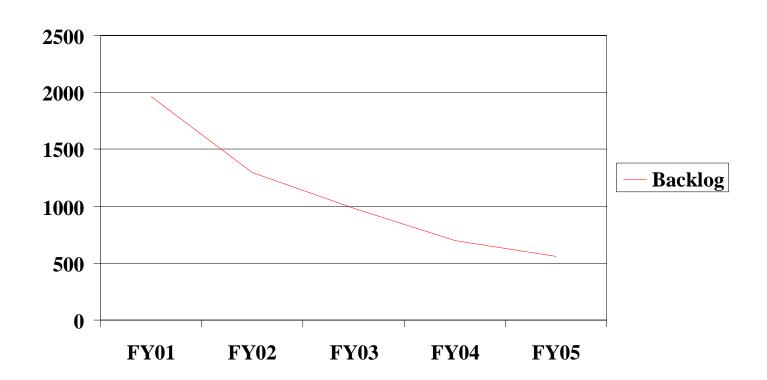
Operating Permit Workload:

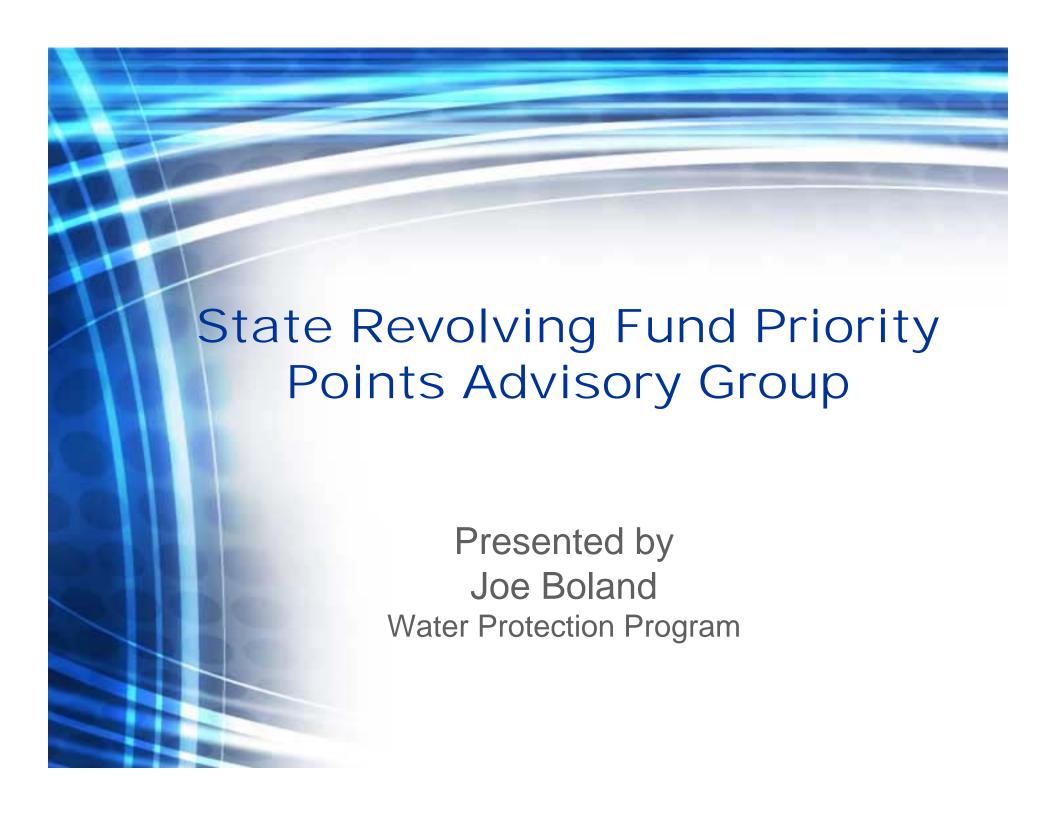


401 Certifications:



Operating Permit Backlog:





Priority Points & CWSRF Regulation

Basic Priority Points =
$$\begin{bmatrix} \frac{\text{Log } 10(\text{A} + 1) + \text{B} + \text{C} + \text{D} + \text{Log } 10(\text{E}) + \text{F} + (\text{G} \div 10)}{\text{H}} + \text{V} \\ \frac{(\text{A} \div \text{J}) + \text{H}}{\text{H}} \end{bmatrix} \times 10^{-10}$$







Presented by:

Greg Anderson
Nonpoint Source Coordinator

Becky Shannon, Chief Watershed Protection Section

